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SEQUENCE LISTING
<110> Smith, John Craig
<120> DIAGNOSTIC METHOD
<130> 06275-276002
<140> US 10/621,116
<141> 2003-07-16
<150> US 09/778,900
<151> 2001-02-08
<150> GB 0004232.5
<151> 2000-02-24
<160> 27
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<213> Homo sapiens
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ctgttggccc atatgtaata tatattcctg cttatacaag atggccatgg gaagttattt
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ttagtcattg tttggaatga ctttataaaa atgctttgca ttttttagca agaccatcat
                                                                       180
ataattgttt aagatcaagt acaacacata aggtcactgg agaatttgag tgcatgttat
                                                                       240
ccaagatagg atggtagagc tcacattaca gaaatgtagt gtgggaatag taaggagtcg
                                                                       300
tttaatagaa attgcacacc taagtgtgat gagtgtatgt gaatgtggag aagtactttc
                                                                       360
tgcacctggc cacacagttt caaccaaatg atcccnaaat aaaacagtgg atgttaacgg
                                                                       420
aatatctagg atttgtaaag ttgttttctt ctcgatgact ttgagatctc tttatttctc
                                                                       480
agtottotto tgaaataaag actgactaco tatcaattat aatggaccca gatgaagtto
                                                                       540
ctttggatga gcagtgtgag cggctccctt atgatgccag caagtgggag tttgcccggg
                                                                       600
agagacttaa actgggtaag atatttgttc aacagattca taaacctata ctgagcacat
                                                                       660
attacatgaa aaacactgtg ctttgagaga tgcgaaagta aactagacct gggattctac
                                                                       720
cctccagctg ctcacagact agcaagggag atggacacaa aagtaaataa ttccaatqca
                                                                       780
atgctcagat aacagtacaa ggtgacacgc agcacctgtt tgttcttgca acagttatta
                                                                       840
ggcaccttct ctgagcagca gacactggtc taagccctgg agacacaaag gtgcttgcat
                                                                       900
ctcttccctc aaagggctca gtctggagat aggtgcaaaa gtggtaagtg aaggggggcg
                                                                       960
gagagagagg cattacaagt acacgcacgc ttcataatga aactgttgag ggattagaaa
                                                                      1020
tatgtgatcc agaacataat tgagggtggc aaggaacagt gaaatcaaca ttc
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<210> 2
<211> 1480
<212> DNA
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<213> Homo sapiens

2

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                                                                        120
aacaagaaat gnacctaaag cttttaatat accagctcac acagagtaag cattcagtaa
                                                                        180
atacccacca ctcttaattt tttttttta tctgatctaa gatgctgtct agaagcccag
                                                                        240
gcaagagcac aatagactct gcaactccag aggtagtcag gctcctggac accqtagggc
                                                                        300
ccctgtgcta gttcacgatc cattttgaga agtgaaacgc tctcatttct catcaggcna
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ttgccagttg agggactggt ttcccnctgc tgtgctggag ctccttttca cctgggtcct
                                                                        420
tttcggtctc ttcaaaggat gcagcactac acatggagcc taagaaagaa aaaatggagc
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caggcctgga acaaggcaag aaaccaagac tagatagcgt caccagcagc qaaagctttg
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cgagctccgg ctttcaggaa gataaaagtc tgagtgatgt tgaggaagag gagggtaggt
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attaatteet teetgteeta egegetgaga tatttttaea acataetatg eatetetgaa
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attttttct tatttatcac tctaataaac atccgtggga gactcgaatg gtaatgtcct
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gaggagataa gatttgaatt aagataattt acagagttac taattttgac agggaactgt
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accepttttct cccctcaggg attttcatct taatggatca tccccctqcc cccatqcttq
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gataaagtgg gctggaggcc tggaaaaatc tctggtgttc atgttgaaac tcaaatactc
                                                                        900
ttaaaaatga actctgatct acttgttggt ttgttttatg ttttgctaac attgttccaa
                                                                        960
taaactggga tttggtggga taacaagagc cattacaaac agttacggtt ctaatgcttt
                                                                       1020
ccagattctg acggtttcta caaggagccc atcactatgg aagatctgat ttcttacagt
                                                                       1080
tttcaagtgg ccagaggcat ggagttcctg tcttccagaa aggtcagtct tgctgtttac
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tgtttttctt ctctgccagg gctggacaca cacctttgct ataaattcat ttttcctagt
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atttgctgat acctatgttc ttaaatgtag aacaaacacc actgcaagtg ccttaatttg
                                                                       1260
ccttgatatg aggagttttg agaatgagga gtcatggata ccagtggata gaacttaatt
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ctggggaaaa ctcacaggtt tcagactaga caaacctggc atcggctctc cacagtatcc
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tctggcatat tttcaaatct ggcccaaatc tcagaagaca tgacttcata ggagagctac
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ggtgttctct atgttaggaa accagagctg ctctcggaaa tgatttatag gccgtatgtt
                                                                        180
atctgggagg tgaccccatg gacactcggg ttgaatgtgc tttgttttca tgcccttctg
                                                                        240
ctcaaggccc cettgecete ttetagaete gaetteetet gaaatggatg geteetgaat
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ctatctttga caaaatctac agcaccaaga gcgacgtgtg gtcttacgga gtattgctgt
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gggaaatett eteettaggt aaatttggga gaaggaagaa ateaaacage eeagaaataa
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atgtctgcat cttctgctga atgtcctttg gttggacagc ctttagatta gaacctactg
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taacaaaaaa ctcttaaagt gtaatgggcc catgtagact ctcagatgag taatggcgta
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cgcatgtctg ccctctactg taaaagggct ttatatgatc atgaacaagg tcagaacaag
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gtcatgtaaa agggctttat acgatcatga acaagggtat aaagtctgaa gcaaagtact
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ttttctgtac tttgccaatt ctgccttttc aattcctcaa cacccacacc tctaatgccc
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ttaccg
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3

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<213> Homo sapiens
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                                                                       120
agtgctggtg ctataaaccc aaacctaaaa atgaagcagg gtcacatagt acagaaagct
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tgggctttat gcggatgatg acagccctcc ctttgtagta cgtaaggcaa tgcataggat
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gatcactgct ctccaactat ttctgttgct gttttcccca ccagctatca gatcatgctg
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gactgctggc acagagaccc aaaagaaagg ccaagatttg cagaacttgt ggaaaaacta
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ggtgatttgc ttcaagcaaa tgtacaacag gtaaaactaa atttatctac atcaaaatgc
                                                                       420
ctttgaatgt acgtcagggg ggcattttat ttgttttttt tttaagagct attaatataa
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tagctgagat cagaagttta aaaaaagggt gtgtgtgtgt gtatacagaa ttatcttctc
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aaaacacaac caagattgtg gcaaatgaca tagtcaaagt tgacataatg gttcatagaa
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attgttgaag tcagaattgg tgcaacgaga gctctacctt tggtatttta ggatggtaaa
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gactacatee caateaatge catactgaca ggaaatagtg ggtttacata etcaacteet
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gccttctctg aggacttctt caaggaaagt atttcagctc cgaagtttaa ttcaggaagc
                                                                       780
tctgatgatg tcaggtaaga tttctttctc aaactttata tcacagaatt ttccaacaaa
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aaaaagaaag aaagaaagac gaaagagaaa gaaagacnga aagagagaaa gaaagagaga
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aagaaagaaa gagagaaaga aagaaagaaa gattatgttg atcaccaccc atatgcccat
                                                                       960
cccctaaatt caactgttaa cattttgccc tattttgtct attatactct ctatgattgt
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gtttgttacg gatttttctt tttgccaaac catttaaaag gaggcttaaa gcataatagc
                                                                      1080
actttactcc taaatacttt agtatacatt ttgtaagaag gctattgttg ctgggcacag
                                                                      1140
tggctcgtgc ctgtaatcgc agcactttgg gagactgagg tgggaggatc acttgagcct
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aggagttcaa aatctgcctc ggcaacatag agagacctca tcttactaaa aatttaaaaa
                                                                      1260
ttagccgggt gtggtggtgg gcacctgtag tcccagctac tcaggaggct gaggttggag
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gatcacttga gcccaggaga tggaggctgc ag
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<213> Homo sapiens
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                                                                       120
atacaageet ggeactagea etegattatg eeattaaata atatttagee gtgtageeat
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gccaggtcac tttgccacct cacatccttt tcagagcacc tgataaagtc ataccacttc
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cctgcacatc atttctctcc tgtgccattg ggcactcaga cgagatgatg cctccagtct
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ctcctacgtc tggcattctc tgatttcaca acggaccaga gtaggtccct ctgggagttt
                                                                       360
cctcaaccct acagaatgtg aattgacaac cacgggaggc agtggcaatg ctgtcaggat
                                                                       420
teccaggggt caeggeggg agategggge eteaggagtt aggtgattee tgttggtgtg
                                                                       480
ttggttcatc ttagctggga tatggtgcct gtggtctcct gactcattag agctggatgc
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cttttcctgt cttgataatt ctttctgttt cttcattaga tatgtaaatg ctttcaagtt
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catgageetg gaaagaatea aaacetttga agaaetttta eegaatgeea eeteeatgtt
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tgatgtaagt cgtgaagtta aggtacctag tgcactccga tagacccctt cttcagatcc
                                                                       720
cttccaaaca ccaacgccag taatgtagta gttcttggtc agtgagggtc tggattcagg
                                                                       780
agtggctgaa atgacagtgt ggggaggact gacaactaga cctagctgtg cagaactaat
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ttgaaagtag agttccatgc actcactcca ggacccaagt ccctgcgtgg taggaattta
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, A

gctttcagag agagcgcgtt tttcccctga ctaaccagta	taacagagga cctgcaagca ggttctacag tagcctggca	gtgtgtttct actcccagct gccttgaggc attgaacagc aacaagaggt gggaggagag	gtgtgggtga tgggagggt tgtgttccta cttccagctc	tgggctttgt ccacctaagc cccaatcaca ttctctctaa	gatgtaacag cttatgctcc atgggagaag agccctgtga	960 1020 1080 1140 1200 1256
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<210> 12 <211> 31						

r v

, a) A

<212> DN	A						
	mo sapiens						
	•				•		
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55-55	55555	5-5555	J			51	
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	no sapiens						
(213) 110	no sapiens						
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gaacgccc	it tygttigata	gccccagac	L			31	
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1010: 16							
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cattcatg	at ggtaagatta	agagtgat				28	
- ،							
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                                                                       120
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										7						
gac	tctg	gcg ( cc a M	gccg tg g	ggtc tc a	gt to gc to	ggcc ac to yr T:	gg ga	g ago ac ao	cgcg	ggca gg gʻ	ccgo tc c al Lo	ggcga tg ci	agc a	agge ge g	aggacg cgcgtc cg ctg la Leu	
ctc Leu 15	agc Ser	tgt Cys	ctg Leu	ctt Leu	ctc Leu 20	aca Thr	gga Gly	tct Ser	agt Ser	tca Ser 25	ggt Gly	tca Ser	aaa Lys	tta Leu	aaa Lys 30	
gat Asp	cct Pro	gaa Glu	ctg Leu	agt Ser 35	tta Leu	aaa Lys	ggc Gly	acc Thr	cag Gln 40	cac His	atc Ile	atg Met	caa Gln	gca Ala 45	ggc Gly	
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	gtt Val 160															
	act Thr															
ggc Gly	ttc Phe	atc Ile	ata Ile	tca Ser 195	aat Asn	gca Ala	acg Thr	tac Tyr	aaa Lys 200	gaa Glu	ata Ile	ggg	ctt Leu	ctg Leu 205	acc Thr	
tgt Cys	gaa Glu	gca Ala	aca Thr 210	gtc Val	aat Asn	Gly	cat His	ttg Leu 215	tat Tyr	aag Lys	aca Thr	aac Asn	tat Tyr 220	ctc Leu	aca Thr	

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ggc Gly	agc Ser	aga Arg	caa Gln 450	atc Ile	ctg Leu	act Thr	tgt Cys	acc Thr 455	gca Ala	tat Tyr	ggt Gly	atc Ile	cct Pro 460	caa Gln	cct Pro	1635
aca Thr	atc Ile	aag Lys 465	tgg Trp	ttc Phe	tgg Trp	cac His	ccc Pro 470	tgt Cys	aac Asn	cat His	aat Asn	cat His 475	tcc Ser	gaa Glu	gca Ala	1683
					tcc Ser											1731
gac Asp 495	agc Ser	aac Asn	atg Met	gga Gly	aac Asn 500	aga Arg	att Ile	gag Glu	agc Ser	atc Ile 505	act Thr	cag Gln	cgc Arg	atg Met	gca Ala 510	1779
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tct Ser	aga Arg	att Ile	tct Ser 530	gga Gly	atc Ile	tac Tyr	att Ile	tgc Cys 535	ata Ile	gct Ala	tcc Ser	aat Asn	aaa Lys 540	gtt Val	ggg Gly	1875
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